PTO/SB/05 (08-03)
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UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

	Attorney Docket No.	YOR920030201US1			
	First Inventor	M. Raghavachari			
	Title	Efficient Search of Tree			
	Evanss Mail I ahel No	EV323492876US			

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450 O									
1.	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations 13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other: Express Mail Mailing.									
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:										
Continuation Divisional Continuation-in-part (CIP) of prior application No.:										
Prior application information: Examiner Art Unit:										
19. CORRESPONI	DENCE ADDRESS									
Customer Number: 34,663	OR Correspondence address below									
Name										
Address										
City	State Zip Code									
Country	elephone Fax									
Name (Print/Type) Michael J. Buchenhorne (Registration No. (Attorney/Agent) 33, 162 Signature Date Ton 7 2004										
Signature Michael A	Date 7, 2004									

This collection of information is required by 3 CFR f.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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EEE TOANGMITTA		Complete if Known							
FEE TRANSMITTA	L	Application Number							
for FY 2004		Filing	Filing Date			January 7, 2004			
		First I	Named Inventor			M. Raghavachari			
Effective 10/01/2003. Patent fees are subject to annual revision	Examiner Name								
Applicant claims small entity status. See 37 CFR 1.27		Art Unit							
TOTAL AMOUNT OF PAYMENT (\$) 788.00					^	YOR920030201US1			
METHOD OF DAYMENT (shock of that apply)									
METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)								
Check Credit card Money Other None		3. ADDITIONAL FEES Large Entity Small Entity							
✓ Deposit Account:	Fee	Fee	Fee	Fee		Fee Description			
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Number Deposit	1051		2051			narge - late filing fee or oath			
Account Name	1052		2052		cover	narge - late provisional filing fee or sheet	 		
The Director Is authorized to: (check all that apply)	1053		1053			English specification ling a request for ex parte reexamination	├── ┤ ┃		
Charge fee(s) indicated below Credit any overpayments	1812	2 2,520 4 920*	1812 <i>1</i> 1804	-,		esting publication of SIR prior to	┝──┤┃		
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Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	5 1,840*	1805	1,840*		esting publication of SIR after niner action			
FEE CALCULATION	1251	1 110	2251	55	Exter	nsion for reply within first month			
1. BASIC FILING FEE	1252	2 420	2252	210	Exte	nsion for reply within second month			
Large Entity Small Entity	1253	3 950	2253	475	Exte	nsion for reply within third month			
Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254	1,480	2254	740	Exte	nsion for reply within fourth month	I		
1001 770 2001 385 Utility filing fee 770.00	1255	5 2,010	2 2 55	1,005	Exte	nsion for reply within fifth month	 		
1002 340 2002 170 Design filing fee	1401	1 330	2401	165	Notic	ce of Appeal			
1003 530 2003 265 Plant filing fee	1402		2402			g a brief in support of an appeal			
1004 770 2004 385 Reissue filing fee	1403		2403			est for oral hearing			
1005 160 2005 80 Provisional filing fee		1 1,510	1451			on to institute a public use proceeding			
SUBTOTAL (1) (\$) 770.00	1452		2452			on to revive - uravoidable			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		3 1,330 1 1,330	2453 2501			ion to revive - unintentional			
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Independent Claims 3 - 3** = 0 X ==	1460	130	1460	130	Petit	ions to the Commissioner			
Multiple Dependent	1807	7 50	1807	50	Proc	essing fee under 37 CFR 1.17(q)			
Large Entity Small Entity	1806	180	1806	180	Subn	nission of Information Disclosure Stmt			
Fee Fee Fee Fee Description Code (\$)	8021	1 40	8021	40	Reco	ording each patent assignment per erty (times number of properties)			
1202 18 2202 9 Claims in excess of 20	1809	770	2809		Filing	a submission after final rejection			
1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	•	CFR 1.129(a)) each additional invention to be			
1204 86 2204 43 ** Reissue independent claims					exam	nined (37 CFR 1.129(b))	 		
over original patent	180		2801			uest for Continued Examination (RCE)	 		
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	180	1802 900 1802 900 Request for expedited examination of a design application							
SUBTOTAL (2) (\$) 18.00	•	Other fee (specify)							
**or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)									
SUBMITTED BY (Complete (if applicable))									
Name (Print/Type) Michael J. Buchenhorner		Registration No. (Attorney/Agent) 33,162				Telephone 305-789-7773			
Signature Nichel N. Kuchul	<u></u>	- CONTRACTOR - I				Date San. 7	2004		

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Mukund Raghavachari

Attorney Docket Number

YOR920030201US1

Title

Streaming Mechanisms for Efficient

Searching of a Tree Relative to a

Location in the Tree

Filed

Herewith

CERTIFICATE OF EXPRESS MAIL MAILING Express Mail Mailing Label No. *EV323492876US*

Mail Stop Patent Application Commissioner for Patents Alexandria, VA 22313-1450

Sir:

I hereby certify that:

- 1 Application Transmittal Form
- 1 Fee Transmittal Form (in duplicate)
- 13 sheets Specification, 5 sheets Claims, Abstract
- 1 set of 8 sheets of drawings
- 2 sheets of Declaration and Power of Attorney (signed)
- 1 sheet Assignment (signed) with 1 sheet Recordation Form Cover Sheet
- 1 Information Disclosure Statement with 13 sheets attachment
- 2 sheets Application Data Sheet
- 2 Return postcards

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to:

Mail Stop Patent Application Commissioner for Patents Alexandria, VA 22313-1450

Date of Denosit

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Michael J. Buchenhorner

Signature of Person Mailing Papers

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